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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,634	11/13/2003	Kazuhisa Yamamoto	SNK-3750US6	2125
23122	7590	01/05/2007	EXAMINER	
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VALLEY FORGE, PA 19482-0980			PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

10/712,634

Applicant(s)

YAMAMOTO ET AL.

Examiner

Dung (Michael) T. Nguyen

Art Unit

2828

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 21 January 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☐ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☐ The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3. ☒ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☒ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: 80 and 82-84.

Claim(s) withdrawn from consideration: \_\_\_\_\_.

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11. ☐ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: \_\_\_\_\_.  
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_.  
13. ☒ Other: the newly added limitations are required a new search.

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Do not enter.  
12/29/06  
DW

~~1.-77. (Cancelled).~~

78. (Withdrawn) A laser light source comprising:

a semiconductor laser for emitting a fundamental wave;

a single mode fiber for conveying the fundamental wave; and

an optical wavelength conversion element for receiving the fundamental wave from the fiber and generating a harmonic wave, the optical wavelength conversion element having periodic domain inverted structures,

wherein the optical wavelength conversion element has a modulation function.

79. (Withdrawn) A laser light source according to claim 78, wherein the optical wavelength conversion element is formed in an  $\text{LiNb}_x\text{Ta}_{1-x}\text{O}_3$  ( $0 \leq x \leq 1$ ) substrate.

80. (Currently Amended) A laser light source, comprising:

a semiconductor laser for emitting pumping light;

a fiber for conveying the pumping light;

a solid state laser crystal for receiving the pumping light from the fiber and generating a fundamental wave; and

~~an a bulk type~~ optical wavelength conversion element for receiving the fundamental wave and generating a harmonic wave, the optical wavelength conversion element having periodic domain inverted structures, ~~and an integrated~~

~~modulator for modulating an output power of the harmonic wave through application of a voltage.~~

wherein the fiber is configured to prevent a variation in temperature of the optical wavelength conversion element caused by a heat generated from the semiconductor laser.

~~81. (Cancelled).~~

82. (Previously Presented) A laser light source according to claim 80, wherein the optical wavelength conversion element is formed in an  $\text{LiNb}_x\text{Ta}_{1-x}\text{O}_3$  ( $0 \leq X \leq 1$ ) substrate.

83. (Previously Presented) A laser light source according to claim 80, wherein the solid state laser crystal and the optical wavelength conversion element are integrated together.

84. (Currently Amended) A laser light source, comprising:

a semiconductor laser for emitting pumping light;

a solid state laser crystal for receiving the pumping light and generating a fundamental wave;

a single mode fiber for conveying the fundamental wave; and

~~and a bulk type optical wavelength conversion element for receiving the fundamental wave from the fiber and generating a harmonic wave, the optical wavelength conversion element having periodic domain inverted structures, and an integrated modulator for modulating an output power of the harmonic wave by application of a voltage.~~

wherein the single mode fiber is configured to prevent a variation in temperature of the optical wavelength conversion element caused by a heat generated from the semiconductor laser.

85. ~~(Cancelled).~~

86. ~~(Withdrawn) An optical disk apparatus, comprising:~~

~~an optical pickup incorporating therein the optical wavelength conversion element for converting a fundamental wave to a harmonic wave;~~

~~a laser light source, provided separately from the optical pickup, for generating laser light; and~~

~~an actuator for moving the optical pickup,~~

~~wherein the laser light radiated from the laser light source is incident upon the optical pickup via an optical fiber.~~

87. (Withdrawn) An optical disk apparatus according to claim 86, wherein the laser light source includes a semiconductor laser disposed outside the optical pickup.

88. (Withdrawn) An optical disk apparatus according to claim 87, wherein the laser light source further comprises a solid state laser crystal for generating a fundamental wave using laser light emitted from the semiconductor laser as pumped light.

89. (Withdrawn) An optical disk apparatus according to claim 88, wherein:

~~the solid state laser crystal is disposed outside the optical pickup; and the fundamental wave generated by the solid state laser medium is incident upon the optical wavelength conversion element via the optical fiber.~~

90. (Withdrawn) An optical disk apparatus according to claim 88, wherein:

~~the solid state laser crystal is disposed inside the optical pickup; and the laser light emitted from the semiconductor laser is incident upon the solid state laser via the optical fiber.~~